REHABILITATION AID FOR SEXUAL INEFFICIENCY

BACKGROUND OF THE INVENTION

1. Field of the Invention

[001] The present invention relates to a rehabilitation aid for a sexual inefficiency used for recovering a vagina to a normal status by rehabilitating a contracting force of the vagina, which is weakened after a childbirth by a natural labor, a cesarean section or the like.

2. Brief Description of the Related Art

[002] After a pregnant woman gives birth to a child (or children) by a natural labor or by a cesarean section, often a contracting force of her vagina is weakened.

[003] In order to recover the contracting force of her vagina, sometimes her obsterician or gynercologist instructs her to move her sphincteral muscles around her hollow organs such as an anus, a urethra, the vagina and the like intentionally.

[004] However, when she tries to move her sphincteral muscles intentionally, she can not realize to what extent her vagina is contracted, or the contracting force of her vagina is.

SUMMARY OF THE INVENTION

[005] The present invention is carried out in view of the above-mentioned problems so as to provide a rehabilitation aid for a sexual inefficiency, which enables her to realize an extent of the contracting force of her vagina when she intentionally moves her sphincteral muscles.

[006] The present invention also provide another rehabilitation aid which can measure the contracting force of her vagina as well as enables her to feel the extent of the contracting force.

[007] Rehabilitation aids for sexual inefficiencies by the present invention are constituted in the following manners (1) to (6).

[008] A rehabilitation aid for sexual inefficiency formed as a closed hollow body, wherein: a wall of the hollow body is constituted by an inner layer formed out of a rubber and an outer layer formed out of a sponge rubber or a silicone rubber, wherein: the hollow body has an elongated cocoon shape and is elastically deformed when air is filled therein, so that the hollow body can be inserted in a vagina. (Hereinafter this is referred as a 1st rehabilitation aid.)

[009] (2) A rehabilitation aid for sexual inefficiency formed as a closed hollow body comprising: a wall of the hollow body constituted by an inner layer formed out of a rubber and an outer layer formed out of a sponge rubber or a silicone rubber; and a barometer connected to one end of the hollow body via a connecting pipe, wherein: the hollow body has an elongated cocoon shape and is elastically deformed when air is filled therein, so that the hollow body can be inserted in a vagina; and a contracting force of the vagina against the hollow body is measured by reading an enlarged scale on the barometer. (Hereinafter this is referred as a 2nd rehabilitation aid.)

[0010](3) The rehabilitation aid for sexual inefficiency according to (1) or (2), wherein a thin rubber film is formed on the surface of the hollow body. (Hereinafter this is referred as a 3rd rehabilitation aid.)

[0011](4) A rehabilitation aid for sexual inefficiency formed as a cylindrical body having openings on its both ends, wherein: a wall of the cylindrical body is constituted by an inner layer formed out of a rubber and an outer layer formed out of a sponge rubber or a silicone rubber, wherein: the cylindrical body has an elongated cocoon shape and is elastically deformed when air is filled therein, so that the cylindrical body can be inserted in a vagina. (Hereinafter this is referred as a 4th rehabilitation aid.)

[0012] (5) The rehabilitation aid for sexual inefficiency according to (4), wherein a thin rubber film is formed on the surface of the hollow body. (Hereinafter this is referred as a 5th rehabilitation aid.)

[0013] (6) A rehabilitation aid for sexual inefficiency formed as a closed hollow body, wherein: a wall of the hollow body is formed out of a rubber, wherein: the hollow body has an elongated cocoon shape and is elastically deformed when air is filled therein, so that the hollow body can be inserted in a vagina. (Hereinafter this is referred as a 6th rehabilitation aid.)

BRIEF DESCRIPTION OF THE DRAWINGS

[0014]FIG.1 is a side view with a partial longitudinal sectional view of the rehabilitation aid for sexual inefficiency by embodiment 1.

[0015]FIG.2 is a perspective view with a partial longitudinal sectional view of the rehabilitation aid for sexual inefficiency by embodiment 2.

[0016]FIG.3 is a side view with a partial longitudinal sectional view of the rehabilitation aid for sexual inefficiency by embodiment 3.

[0017]FIG.4 is a side view with a partial longitudinal sectional view of the rehabilitation aid for sexual inefficiency by embodiment 4.

DETAILED DESCRIPTION OF THE PREFERRED EMBODIMENTS

[0018] Hereinafter embodiments according to present invention are explained in detail.

[Embodiment 1]

[0019] As depicted in FIG.1, a rehabilitation aid for sexual inefficiency by the present embodiment has a closed hollow body K_1 formed in an elongated cocoon shape and elastically deformed when air is filled in, so that it can be inserted into a vagina. The hollow body K_1 has a diameter of 3.0 to 4.0cm and a length of 10 to 23cm.

[0020] A wall 1 of the hollow body K_1 is constituted by an inner layer 1a formed out of a synthetic rubber and an outer layer 1b formed out of a sponge rubber. The outer layer 1b may be formed out of a silicone rubber. The inner layer has a thickness of 1mm and outer layer 1b has a thickness of 2mm.

[0021] Reference numeral "2" is a protruded navel formed at the end of the inner layer 1a, so that air can be filled in or extracted from a hollow space of the hollow body K_1 via a syringe needle thrust through the navel. Air amount filled in the hollow space can be determined at user's desire taking a contracting force of her vagina into consideration.

[0022] The inner layer 1a is constituted so as to keep the filled air in the hollow space without leaking and the outer layer 1b is constituted so as to moderate a touching feel when the rehabilitation aid is inserted into the vagina.

[0023] Since the rehabilitation aid is constituted as the hollow body K_1, a user feels the inserted rehabilitation aid into her vagina as a foreign object depending on an intensity of pressing force of the foreign object against the vagina wall, when she intentionally moves her sphincteral muscles around her vagina.

[0024] As a result, she can make efforts to recover the contracting force of her vagina, as she is feeling the rehabilitation aid in her vagina.

[Embodiment 2]

[0025] As depicted in FIG.2, a rehabilitation aid for sexual inefficiency of the present embodiment is constituted by a closed hollow body K_2 having the same shape as the hollow body K_1 of the embodiment 1, a connecting pipe 3 formed on one end of the hollow body K_2 and a barometer M connected to the connecting pipe 3 via a rubber tube 4. A reference numeral “5” is a main body of the barometer and a reference character 5a is an indicator of the barometer.

[0026] Since reference numerals or characters 1, 1a, 1b, and 2 in FIG.2 represent the same components as in FIG.1, a further explanation is omitted.

[0027] Air is filled in the follow body K2 and the indicator 5a of the main body of the barometer M is set zero before use. Since the rehabilitation aid by the present embodiment is constituted as the hollow body K_2, a user feels the inserted rehabilitation aid into her vagina as a foreign object.

[0028] When she intentionally moves her sphincteral muscles around her vagina as the rehabilitation aid being inserted, a contracting force of the vagina is applied to and presses the hollow body K_2. Thus, she feels the contracting force, as the contracting force being applied to the hollow body K_2.

[0029] A contracting extent of the hollow body K_2 is displayed by the indicator

5a of the main body 5 of the barometer M in an enlarged state enlarged by a lever (not shown) in the main body 5. A recovering extent and a recovering procedure can be measured quantitatively and sequentially, when the air pressure in the follow body is measured sequentially.

[Embodiment 3]

[0030] As depicted in FIG.3, a rehabilitation aid for sexual inefficiency by the present embodiment is an elastic cylindrical body T with openings 7 on its both ends having an elongated cocoon shape and can be inserted into a vagina. The cylindrical body T has a diameter of 3.0 to 4.0cm and a length of 10 to 23cm. Diameters of the openings 7 at both ends are 6mm.

[0031] A wall 6 of the present embodiment is constituted in the same way as embodiment 1. Namely, the wall 6 is constituted by an inner layer 6a and an outer layer 6b. The inner layer 6a is formed out of a synthetic rubber and the outer layer 6b is formed out of a sponge rubber. The outer layer 6b may be formed out of a silicone rubber. The inner layer has a thickness of 1mm and outer layer 1b has a thickness of 2mm.

[0032] Since the present embodiment is constituted in the same way as embodiment 1, it shows virtually the same effects as embodiment 1.

[0033] However, since the openings 7 are arranged on the both ends of the cylindrical body T, it is elastically deformed more easily than embodiment 1, which means the rehabilitation aid by present embodiment can be inserted into a vagina more tenderly compared with embodiment 1.

[Embodiment 4]

[0034] As depicted in FIG.4, a rehabilitation aid for sexual inefficiency by the present embodiment shows a closed hollow body K_3 having an elongated cocoon shape and an elastic property when air is filled in, so that it can be inserted into a vagina. The hollow body K_3 has a diameter of 3.0 to 4.0cm and a length of 10 to 23cm.

[0035] A wall 8 of the hollow body K_3 is formed out of a natural rubber having a thickness of 1mm.

[0036] Reference numeral "9" is a protruded navel formed at the end of the inner side of the wall 8, so that air can be filled in or extracted from a hollow space of the hollow body K_3 via a syringe needle thrust through the navel. Air amount filled in the hollow space can be determined at user's desire taking a contracting force of her vagina into consideration.

[0037] Since the hollow body K_3 by the present embodiment is constituted in the same way as embodiment 1, it has virtually the same effects as the hollow body K_1 by embodiment 1.

[0038] Since the outer layers 1b of the hollow bodies K_1, K_2 by embodiment 1, 2 and the outer layer 6b of the cylindrical body T by embodiment 3 are formed out of the sponge rubber, these outer layers are apt to absorb or adsorb dirt.

[0039] In order to avoid such absorption or adsorption, thin rubber film may be formed on these outer layers 1b and 6b. Alternatively, outer layers 1b and 6b may be formed out of a silicone rubber in place of the sponge rubber.

[0040] The inner layers 1b and 6b by embodiments 1 to 3 may be formed out of a natural rubber in place of the synthetic rubber.

[0041] As explained above, since the 1st to 6th rehabilitating aids are constituted as the hollow bodies or the cylindrical bodies, a user feels the inserted rehabilitation aid into her vagina as a foreign object. She also feels the contracting force of her vagina depending on an intensity of pressing force of the foreign object against the vagina wall, when she intentionally moves her sphincteral muscles around her hollow organs. Therefore, she can consciously make efforts to recover the contracting force of her vagina.

[0042] Since the 2nd rehabilitation aid can measure the air pressure in the follow body with the aid of the barometer, a recovering extent and a recovering procedure can be measured quantitatively and sequentially.